

NOvA Experiment Status

All Experimenter's Meeting

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Operations – Summary



☐ BEAM:

- Getting 525 kW with the 6+4 slip stacking, smooth delivery.
- Very good (2nd best) week on delivery/recording of POTs.

☐ NearDet:

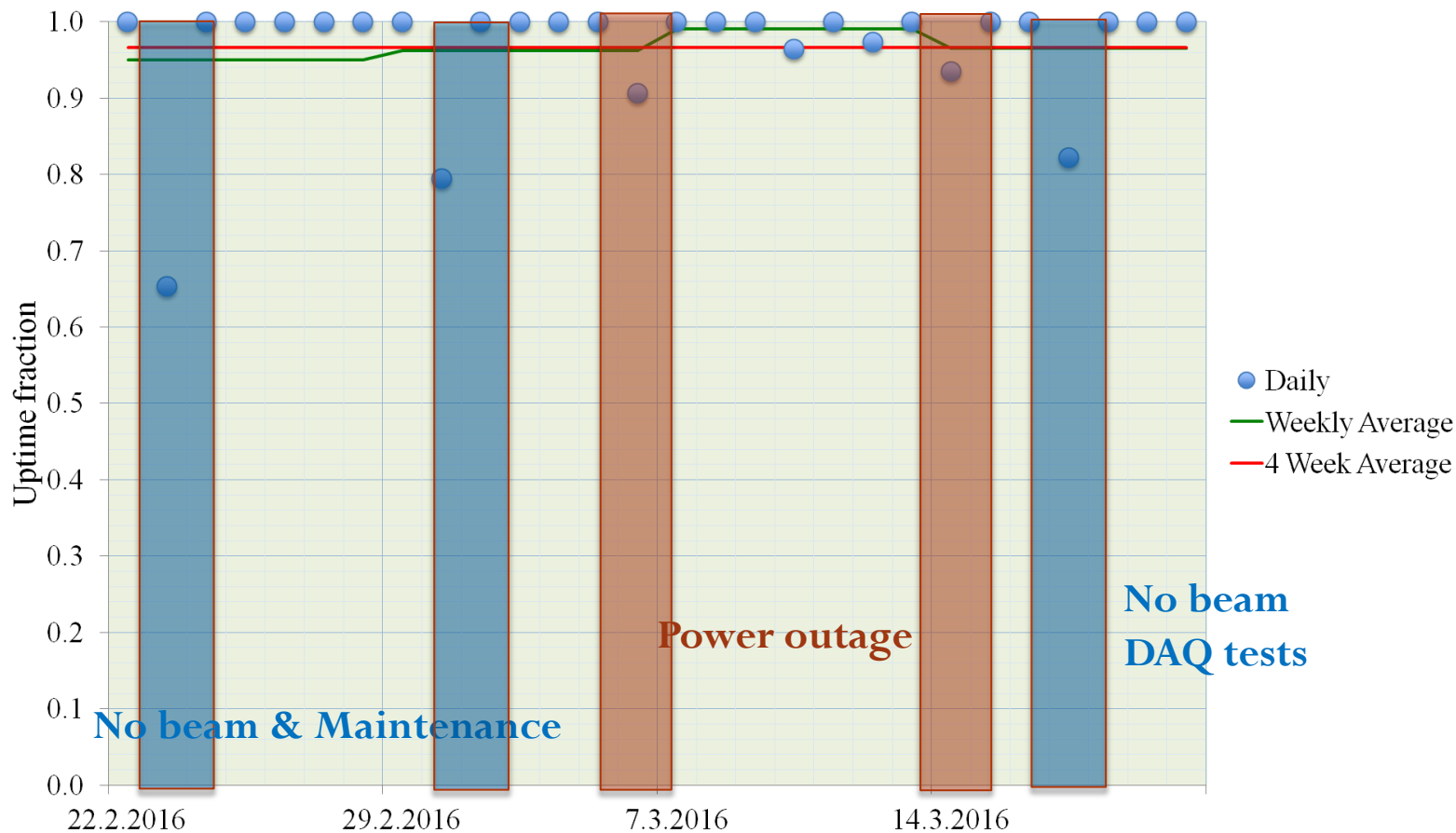
- Minos Underground chiller system down for 1+ hour, warmed up detector but kept HV up, smooth restoring afterwards.
- New disk array upgrade on the main database computer.
- 2 DTs: Run Control crashed, bad FEB configuration loaded.

☐ FarDet: running in high gain mode (150)

- Experienced a partial power outage at Ash River a week ago.
- The beam shutdown used for moving DSO/pedestal procedure to newer disk machine, old one to be repurposed.
- Scheduling FarDet downtime on Mar 30th to HVAC system maintenance, no cooling to the computer room available.

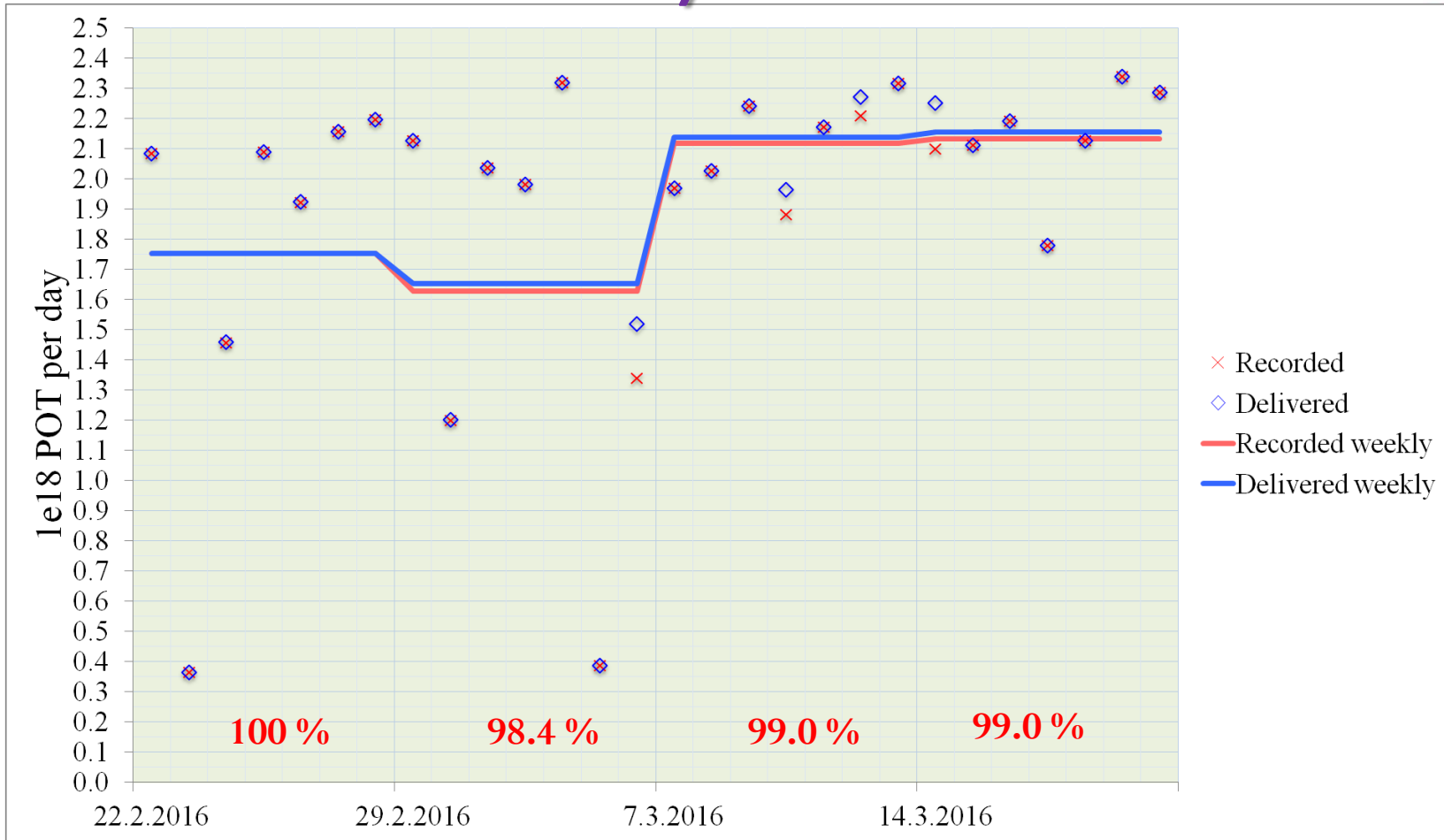
☐ Control Room(s): New ROC (Goias) taking first shifts.

FD: Data taking Uptime



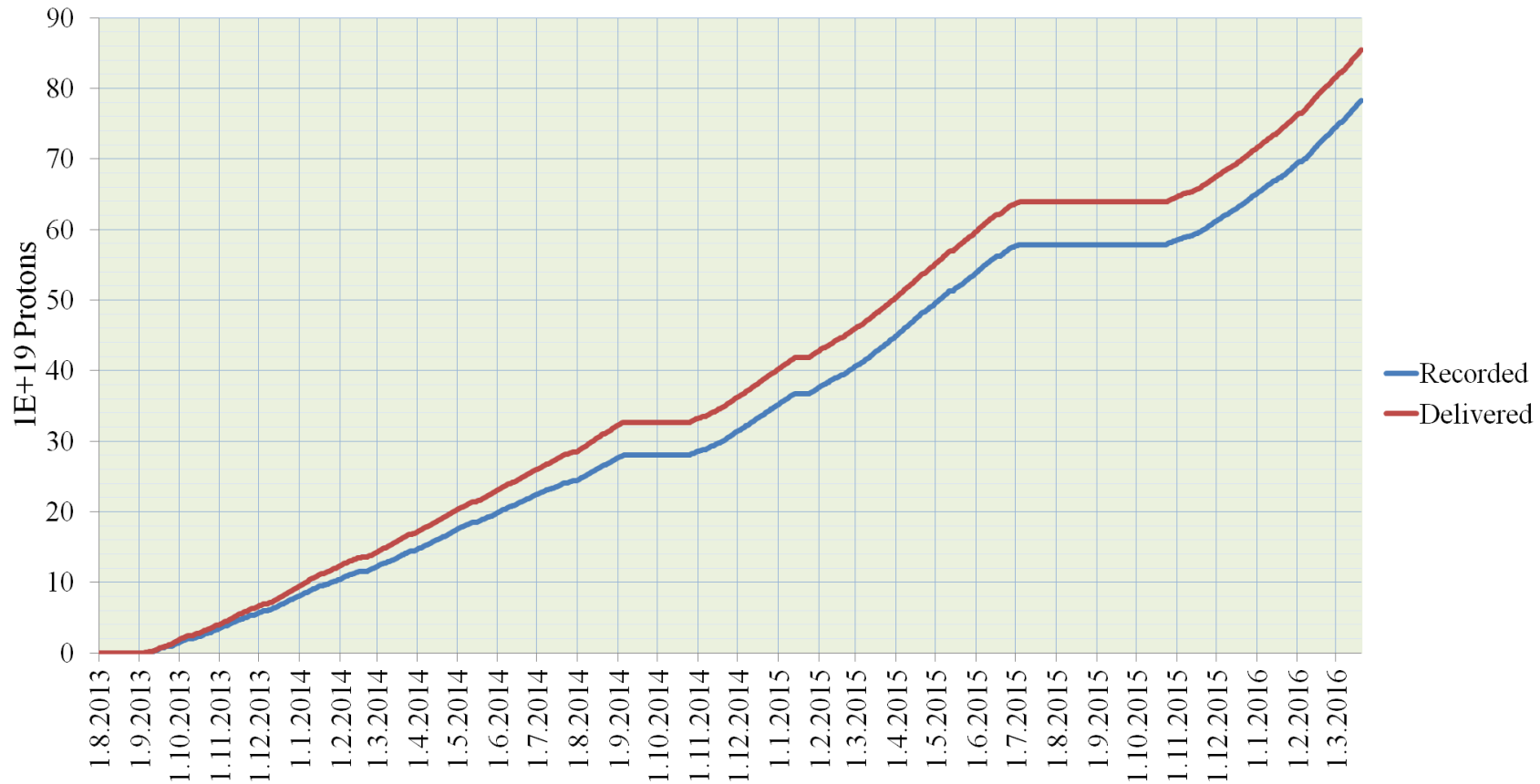
- We had good last week – 96.5% uptime, in total 6 hours down time.
- However 4+ hours when beam was down for the booster collimator study on Thu.
- Only data taking downtime when there was a partial power outage (brown-out) at Ash River early morning on Monday, some computer sub-clusters rebooted.

FD: POTs delivered/recorded



- Past week efficiency was very good **99.0%**, (**14.94 of 15.09** e18 POTs), 2nd the best.
- Efficiency over last month was very good and we experienced one the best performance of the Far detector neutrino running ever.

FD: Accumulated POTs – all years



➤ 2013/14: 280/326 e18 POTs (86%) + 2014/15: 298.5/312.5* e18 POTs (95.5%) [253days]

➤ 2015/16: 204.6/215.5 e18 POTs (94.9%) [168 days]

*) Including 20.8e18 POTs horn-off data and 2.6e18 non-nominal horn current data.